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CFSTI TT 61-71350

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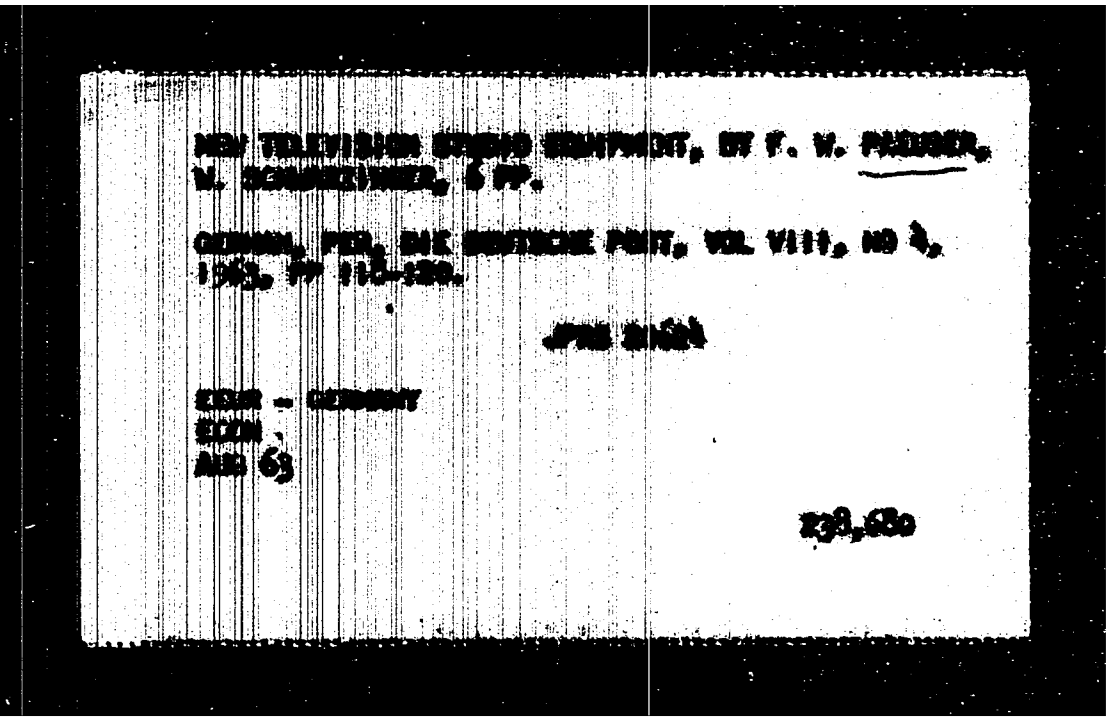

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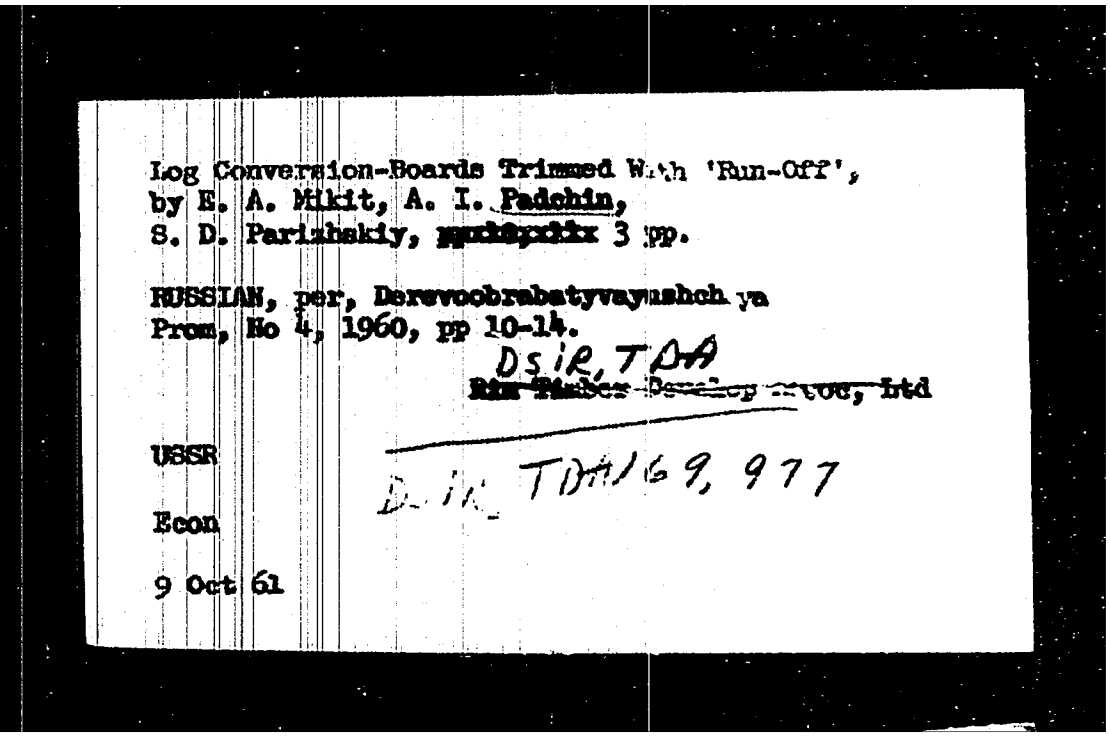

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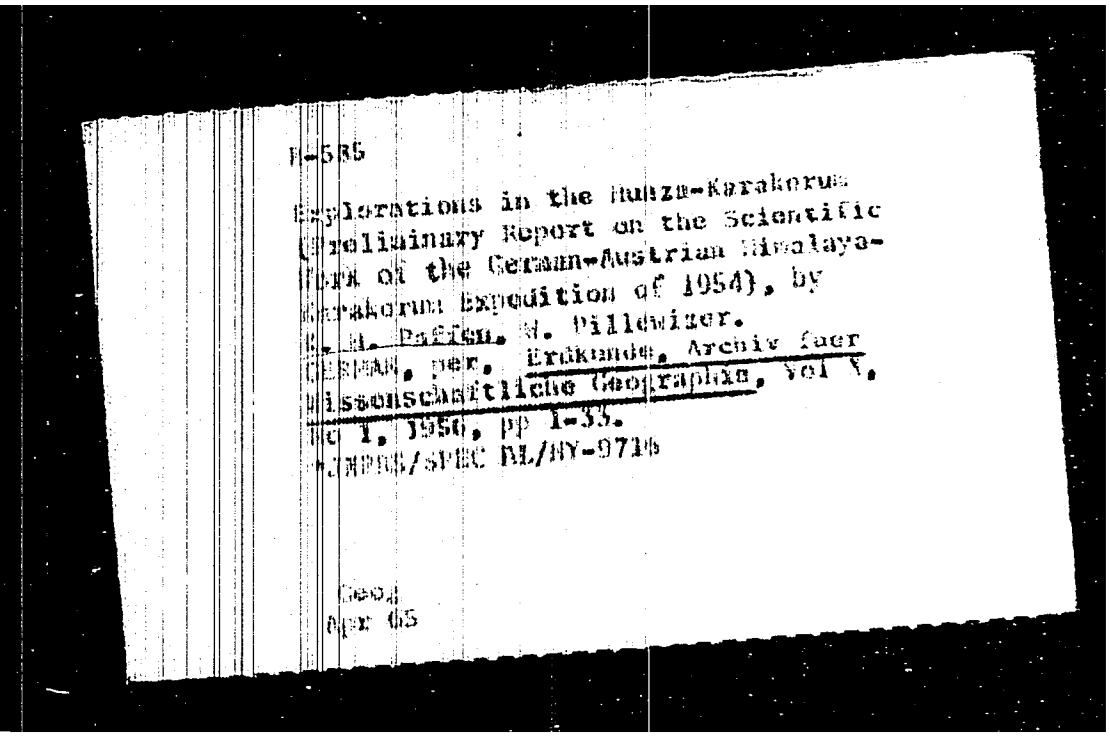

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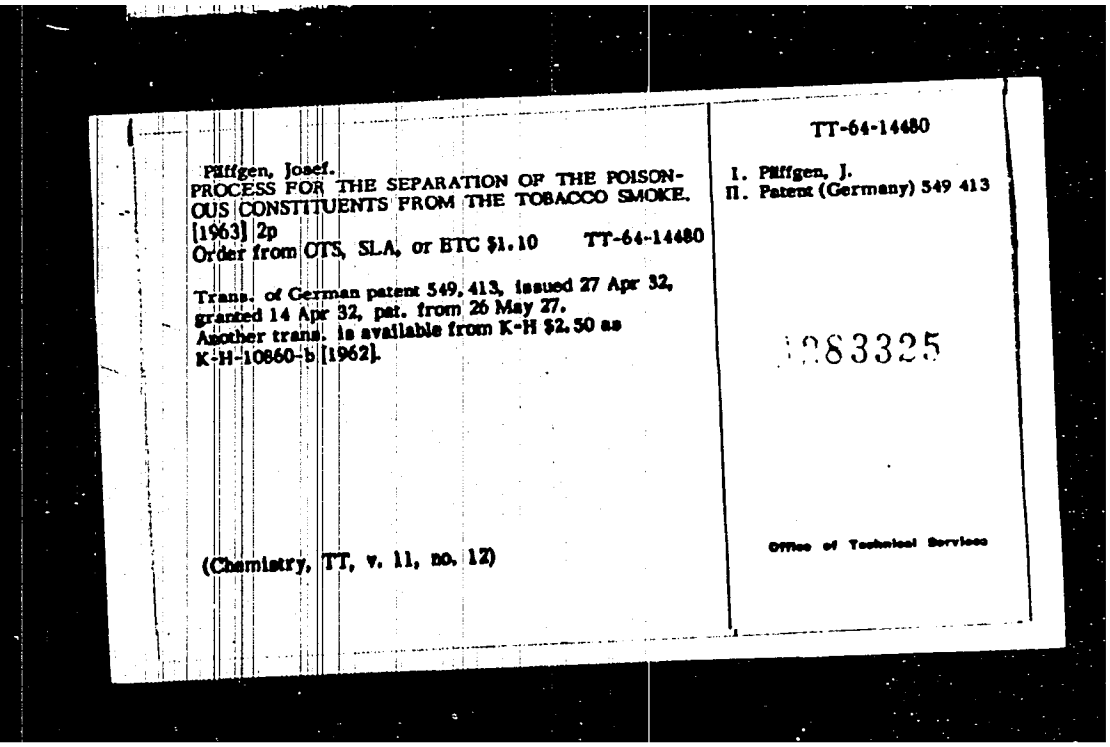

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PROCESS FOR THE SEPARATION OF THE POISONOUS CONSTITUENTS FROM THE TOBACCO SMOKE.
[1963] 2p
Order from OTS, SLA, or ETC $1.10 TT-64-14480

Trans. of German patent 549,413, issued 27 Apr 32, granted 14 Apr 32, pat. from 26 May 27.
Another trans. is available from K-H $2.50 as K-H-10860-b [1962].

(Chemistry, TT, v. 11, no. 12)

TT-64-14480

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Order from K-H $2.50 K-H 10860b

Trans. of German patent 549413 [1932].

DESCRIPTORS: *Tobacco, *Smokes, Cigarettes, *Toxicity, Separation.

(Chemistry--Analytical, TT, v. 8, no. 8)

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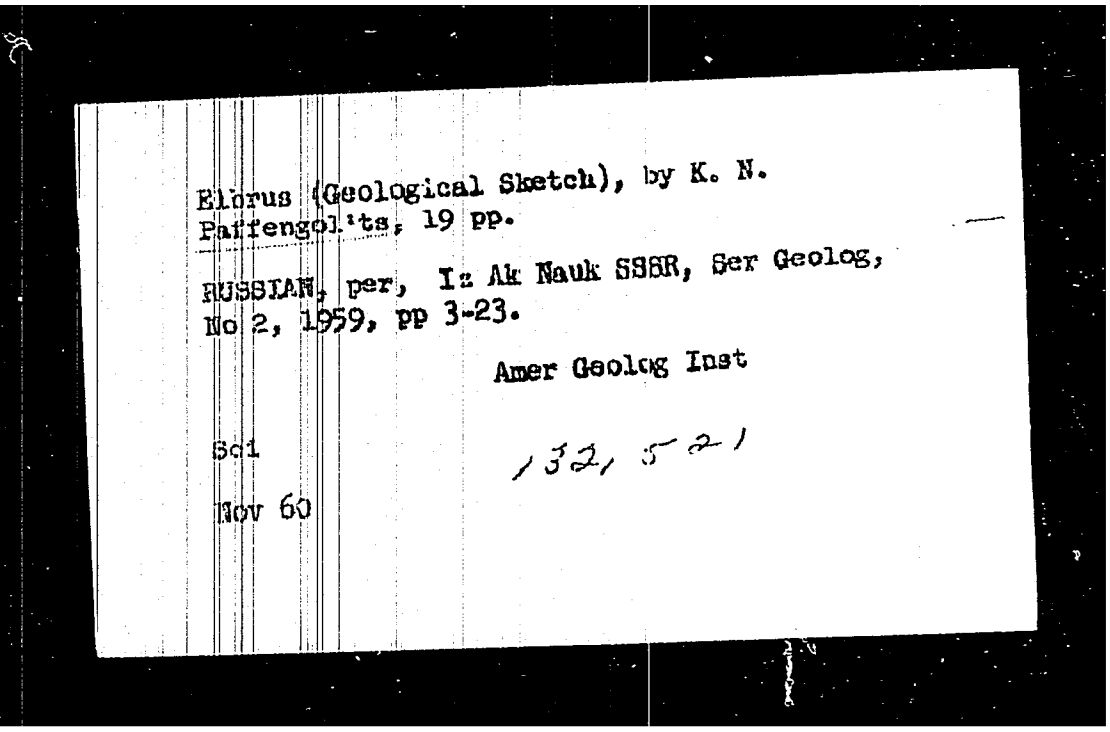

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Effect of Multiple Scattering on Transition Radiation, by V. E. Pafomov, 3 pp.

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JPRS 15740

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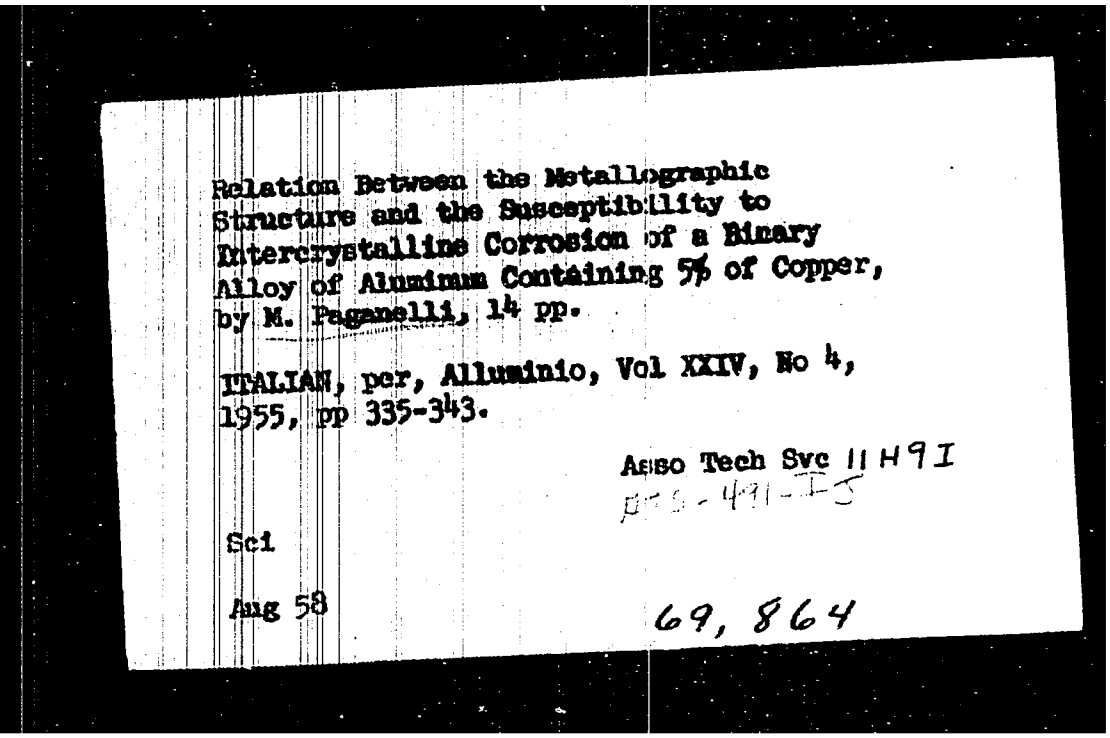

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Pagani, Giovanni and Berzaghi, Bruno.
ANTIFOGGING PRODUCT PARTICULARLY SUITABLE FOR SPECULAR SURFACES AND PROCESS FOR ITS PRODUCTION. [1962] 5p.
Order from OTS or SLA $1.10 62-20010

Trans. of Italian patent 462,021, filed 2 Dec 49, granted 23 Feb 51.

DESCRIPTORS: *Antifogging agents, Optical materials, Production, *Optical equipment.

The invention concerns an antifogging product particularly suitable for specular surfaces, characterized by the feature that it consists of the sodium salt of sulfonated lauryl alcohol at a suitable concentration, combined with glycerol at a suitable concentration, said substances being suitably treated to obtain a pasty product. (Author)
(Materials, TT, v. 9, no. 11)

62-20010

I. Pagani, G.
II. Berzaghi, B.
III. Patent (Italy) 462 021

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On a Way of Finding the Sign of the Five-Day Air Temperature Anomaly Two Months Ahead, by S. T. Pagnava, N. A. Sevalkina.

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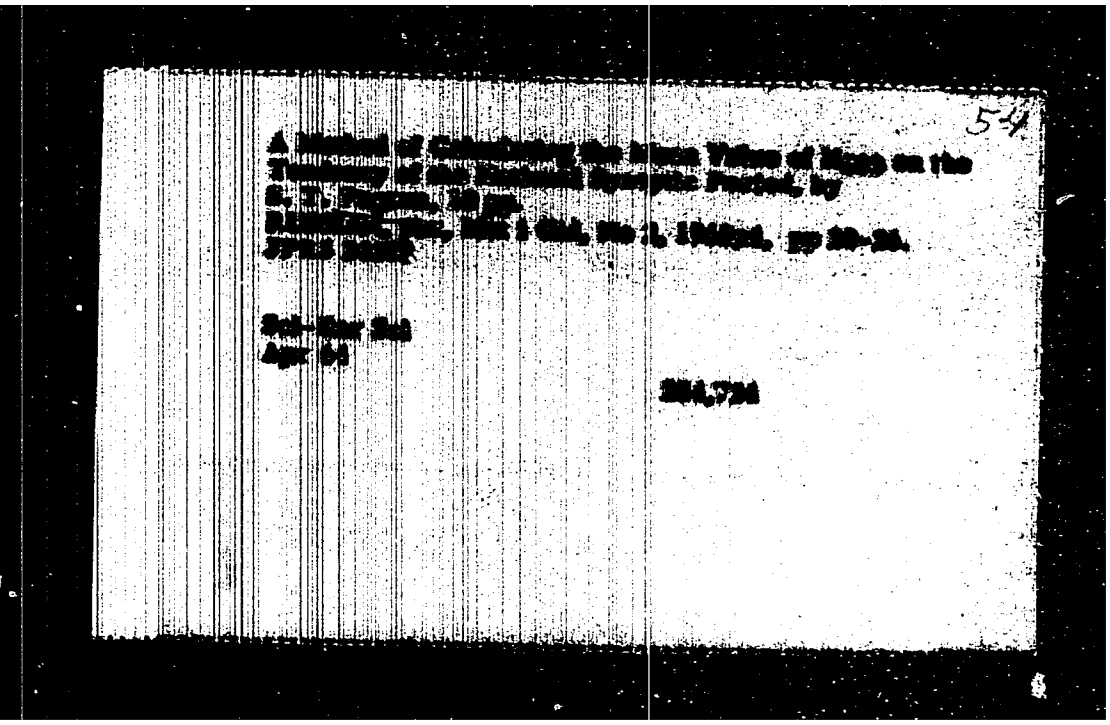

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Pagava, S. T., Aristov, N. A. and others.
THE INFLUENCE OF THE NORTH ATLANTIC ON THE DEVELOPMENT OF SYNOPTIC PROCESSES, tr. by 1963. 66p. 33 refs. PL-480 Comm.
Order from OTS $0.75 61-11466

Trans. of mono. Vliyanie Severnoi Atlantiki na Razvitie Sinopticheskikh Protsessov, Moscow, 1958 [71p.].

DESCRIPTORS: *Heat transfer, *Atlantic Ocean, *Atmosphere, Correlation techniques, Weather forecasting, Meteorology, *Climatology, Meteorological parameters, *Marine meteorology.

This book presents the results of an investigation into some aspects of the ocean-atmosphere interaction. A relationship is traced between the heat given up by the water to the air and thermal processes in the atmosphere. The nature of heat exchange over a natural (Earth Sciences--Meteorology, TT, v. 9, no. 10) (over)

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Use of Stratospheric Observational Data in Analysis of Natural Synoptic Seasons, by S. T. Pagava,
8 pp.

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JPRS 27681

Sci-Earth Sciences and Astronomy
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Headquarters, Air Weather Service, A-2, Technical Research Files -- No. c282.

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Pagava, S. T.
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11p, 28refs. Trans-F.116.
Order from NLL

Trans. of Meteorologiya i Gidrologiya (USSR) n1 p14-21 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 15, No. 2.

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Investigation of Mixed Ethylenic Acetylenic γ-Glycols, by A. I. Nogaideli, K. Ya. Dzagnidze, T. Pagava, T. Kvorenchkhiladze, 3 pp.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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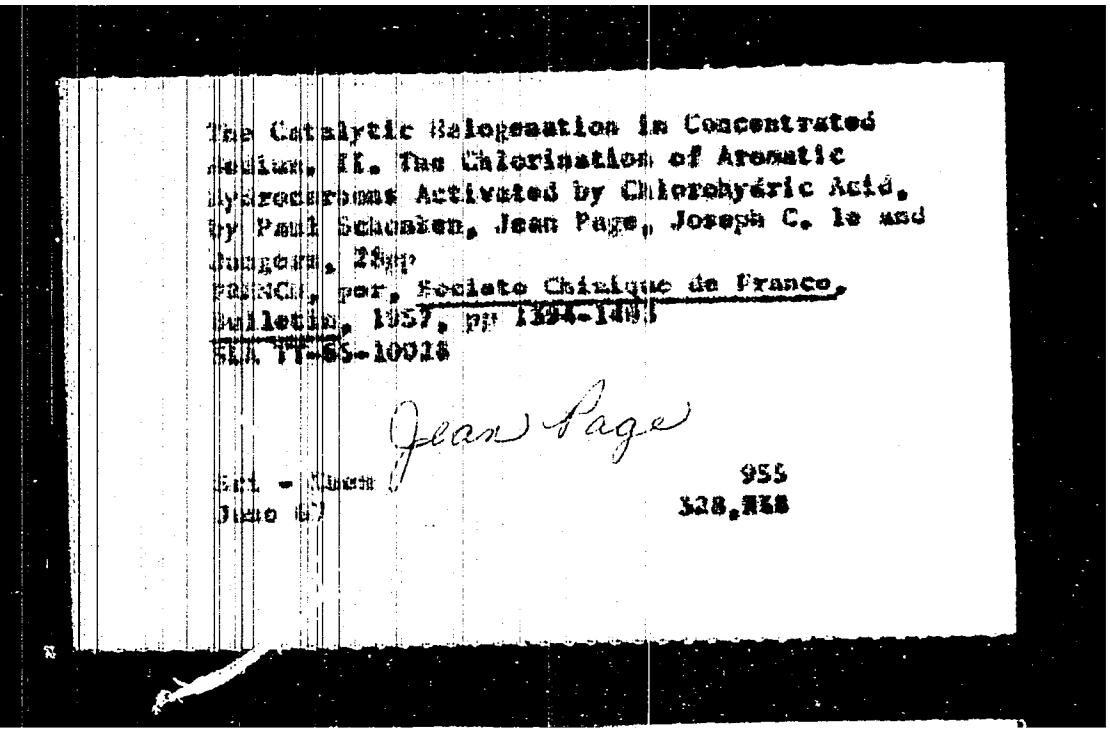

The Catalytic Halogenation in Concentrated
Medium. II. The Chlorination of Aromatic
Hydrocarbons Activated by Chlorohydric Acid.
by Paul Schumien, Jean Page, Joseph C. le and
Jungers, 28pp
Publ, per, Societe Chimique de France,
Bulletin, 1957, pp 1394-1401
SLA TT-63-10018

Jean Page

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528,788

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

Effects of Growth Hormone on the Interscapular Brown Fat of the Rat, by E. Page, 2 pp.

FRENCH, per, Comptes Rendus de Biol., Vol CXLVIII, Aug-Sep 1954, pp 1523-1524.

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S.L.A. No 253/1956

Scientific - Biology

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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Page, Jean le and Jungers, Joseph-Charles.
CATALYTIC HALOGENATION IN CONCENTRATED MEDIUM. IV. CHLORINATION OF AROMATIC HYDROCARBONS, ACTIVATED WITH STANNIC CHLORIDE. [1963] 18p. (figs. tables omitted) 8 refs.
Order from SLA $1.60 63-14236

Trans. of Soc[iété] Chim[ique de] France. Bull[etin] 1960 [no. 3] p. 525-533.

DESCRIPTORS: *Hydrocarbons, Halogenation, *Chlorination, Catalysts, Chlorides, *Tin compounds, Reaction kinetics, Complex compounds.

The chlorination of aromatics, activated with stannic chloride, corresponding to the order one in relation to chlorine, hydrocarbon and catalyst, lends itself particularly well, because of its simple kinetics, to demonstrating the associations taking place in the re- (Chemistry--Organic, TT, v. 10, no. 5) (over)

63-14236

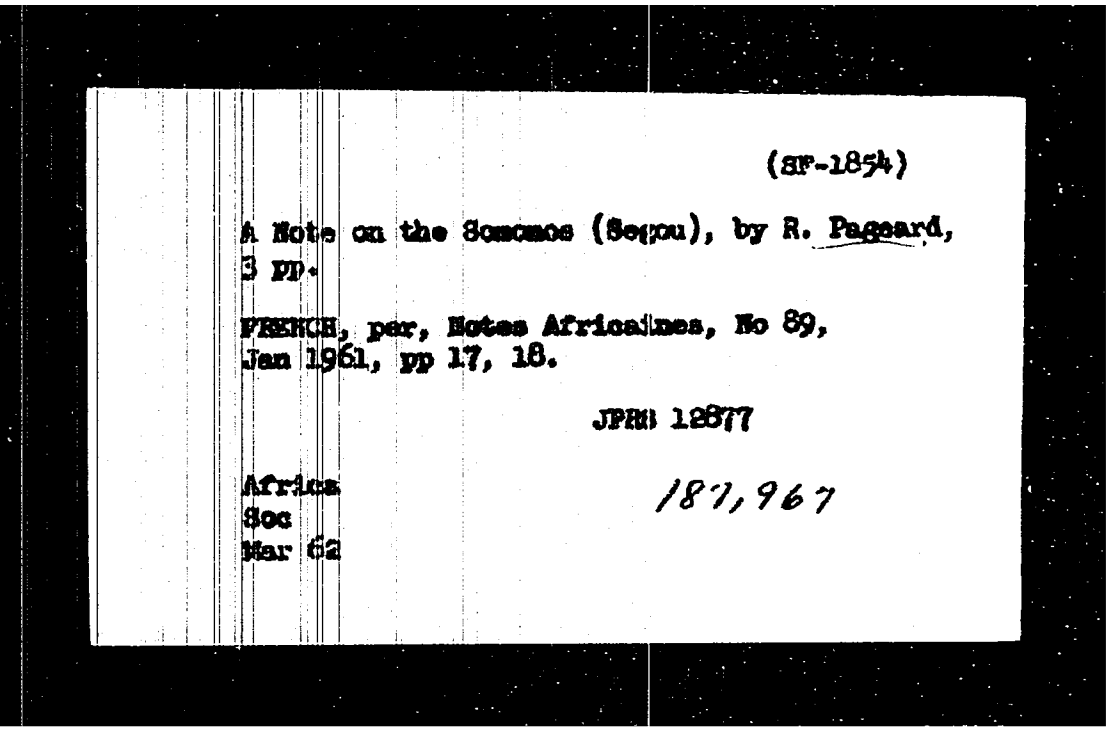
I. Page, J. le
II. Jungers, J.-C.
III. Title: Chlorination ...

A242676

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0



(SF-1854)

A Note on the Somamos (Soqou), by R. Pageard, 3 pp.

FRENCH, per, Notes Africaines, No 89, Jan 1961, pp 17, 18.

JPRS 12877

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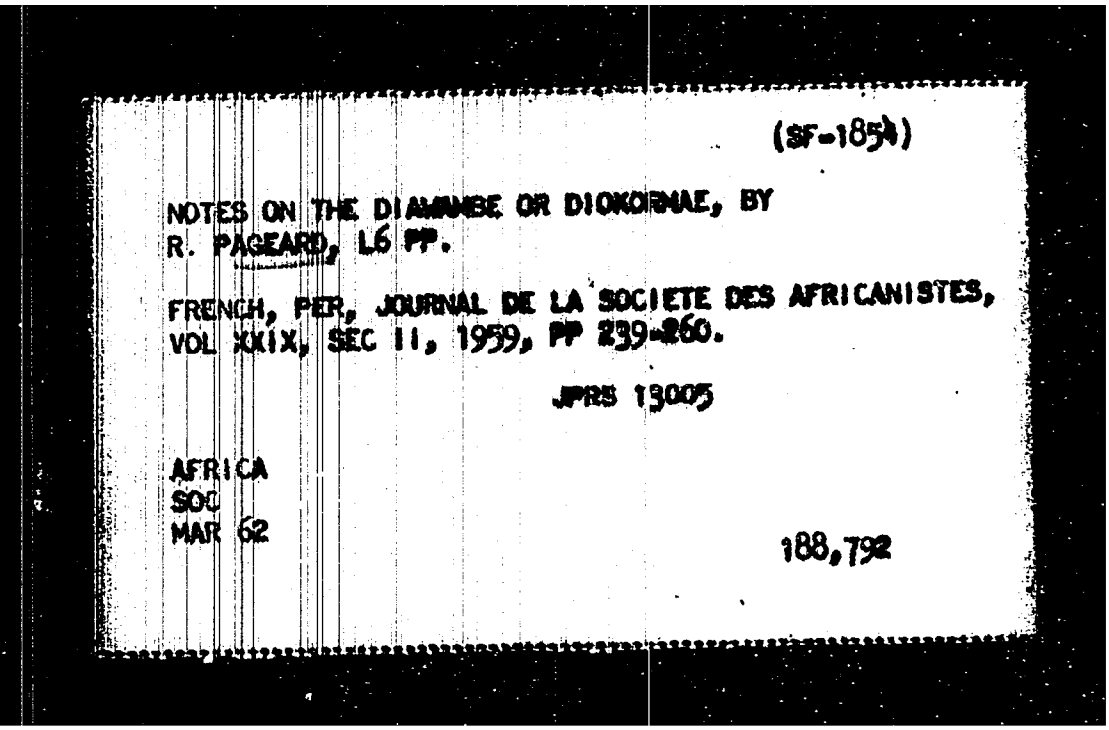

(SF-1854)

NOTES ON THE DIAMANBE OR DIOKORMAE, BY
R. PAGEARD, 46 PP.

FRENCH, PER, JOURNAL DE LA SOCIETE DES AFRICANISTES,
VOL XXIX, SEC II, 1959, PP 239-260.

JPRS 13005

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Pagenstedt, Bernd.
TECHNICAL STUDIES OF STARCH WITH THE AID OF THE "VISKOGRAPH" (Stärketechnologische Studien mit dem Viskographen). [1963] [19]p. (foreign text included) 5 refs.
Order from SLA $1.60 63-14970

Trans. of reprint of die Stärke (West Germany) 1951, v. 3, no. 7, p. 202-210.

DESCRIPTORS: *Starches, *Colloids, Gels, Viscosity, Measurement, *Viscosimeters, Fermentation, Borax.

A short description is given of the latest, improved Brabender VISCOGRAPH with heating and cooling control, as well as of the testing routine as applied for the preparation of the starch-water-suspensions. The starch formation, in general, and the interpretation of a Viscograph gelatinisation curve are commented upon. In assessing gelatinisation characteristics of
(Food, TT, v. 10, no. 4) (over)

63-14970

1. Title: Viscograph
I. Pagenstedt, B.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

Pagés, Joaquin Poch and Casañas, Ana Maria Poch.
PROCEDURE FOR ELIMINATING THE POISONS FROM TOBACCO. [1963] 5p
Order from OTS, SLA, or ETC $1.10 TT-64-14563

Trans. of unidentified Spanish patent, 18 Sep 63.

(Chemistry, TT, v. 11, no. 12)

TT-64-14563

I. Pagés, J. P.
II. Casañas, A. M. P.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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Interest of Magnetic Recording in Nuclear Physics, by A. Pages.

FRENCH, per, Comptes Rendus du "Colloque International sur L'Electronique Nucleaire" Organise par la Societe Francaise des Radioelectriciens, Paris, 1958, Vol II, 1959, pp 283-290.

*AEC

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Inhibition of Diapedesis by Bacterial Endotoxins and Its Mechanism, by A. Delaunay, J. Pages, 14 p.

FRENCH, per, Annales Inst Pasteur, 1945, Vol LXXI, No 9/10, pp 431-439.

SLA 59-20299

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Vol 2, No 12

108,210

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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The Effect of γ and α Radiation on Plutonium Solution, by M. Pages, M. M. Haissinsky.

Second UN Geneva Conference Papers A/Conf/15P/1156, 1956.

*AEC

Sci - Nuc Phys

Feb 59

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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Radiolysis of Aqueous Solutions of Plutonium, by Monique Pages, 31 pp.

FRENCH, per, Journal Chim Phys, Vol LIX, 1962, pp 63-77.

AEC-NP-1007(Draft)

Sci - Nucl Sci

Aug 63

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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Diffuse & Periventricular Atrophy After Radio-therapeutic Treatment of Cerebral Neoplasms, by R. Lafon, P. Pages, R. Labauge, J. Minivielle, 4 pp.

FRENCH, per, Journ de Radiologie d'Electrologie, Vol XXXVII, No 7/8, Jul-Aug 1956, pp 607-610.

NIH/Tr 11-20

Sci - Med
Dec 57

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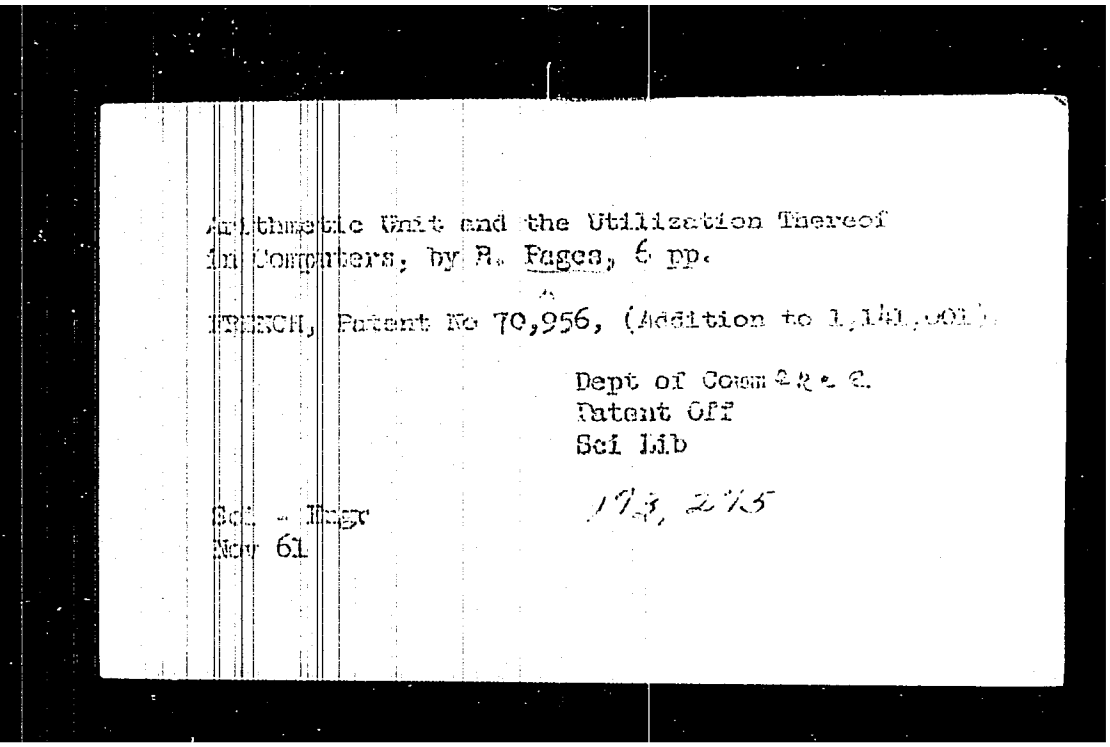

Arithmetic Unit and the Utilization Thereof
in Computers, by R. Pages, 6 pp.

FRENCH, Patent No 70,956, (Addition to 1,141,001).

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Patent Off
Sci Lib

Sci - Engr
Nov 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

Paget, M. and Becquet, N.
ON THE POSSIBLE INFLUENCE OF SOME DRUGS AND BIOLOGIC SUBSTANCES ON THE DETERMINATIONS OF URINARY GLUCOSE WITH NOTATIN. [1961] 3p.
Order from SLA $1.10 61-16481

Trans. of Ann[ales de] Biol[ogie] Clin[ique] (France) 1960, v. 18, p. 504-507.

DESCRIPTORS: *Drugs, Antibiotics, Biochemistry, *Urine, *Glucose, Determination.

(Biological Sciences--Pharmacology, TT, v. 6, no. 8)

61-16481

I. Paget, M.
II. Becquet, N.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

Influence of Thioctic Acid on Experimental Galactosuria, by L. Pagliaro, F. Balsano, 5 pp.

ITALIAN, per, Boll Soc Ital Biol Sper, Vol XXXII, No 7/8, 1956, pp 727-729.

NIH Tr 3-2
SLA 57-376

Sci - Medicine
Apr 58

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(DC-5903/1)

Bayankhongor Aymak Plans for Livestock Increase and Fodder Stockpiling, by Yadamsuren, Sukhbat, Pagma, Tserenjamts, 3 pp.

MONGOLIAN, rp, Unen, 9 Apr 1961, p 2.

JPRS 8792

166,405

FE - Mongolia

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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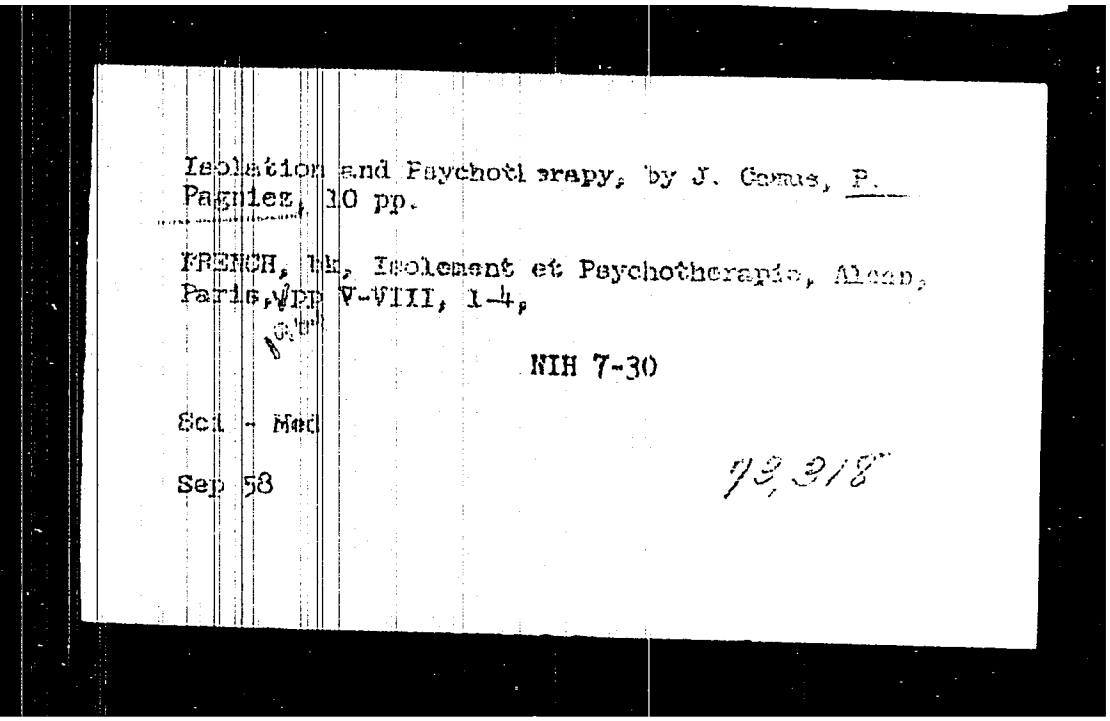

Isolation and Psychotherapy, by J. Camus, P. Pagniez, 10 pp.

FRENCH, Ital, Isolement et Psychotherapie, Alcan, Paris, pp V-VIII, 1-4,

NIH 7-30

Sci - Med

Sep 58

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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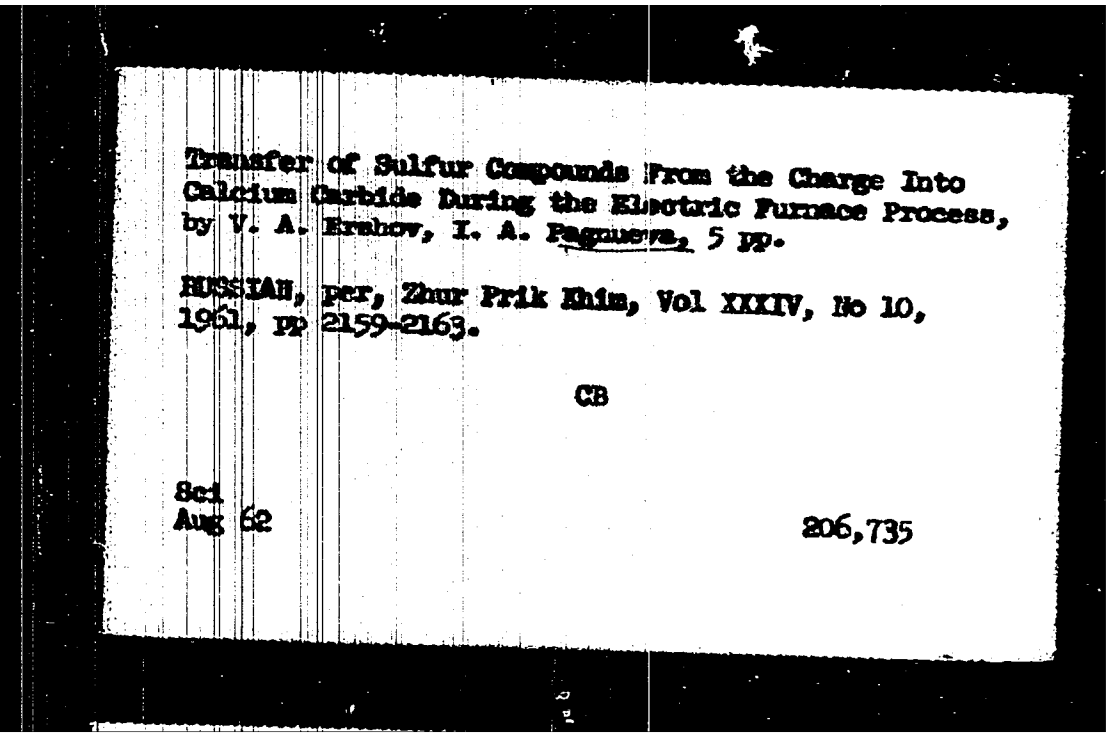

Transfer of Sulfur Compounds From the Charge Into Calcium Carbide During the Electric Furnace Process, by V. A. Frolov, I. A. Pagnueva, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIV, No 10, 1961, pp 2159-2163.

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Aug 62

206,735

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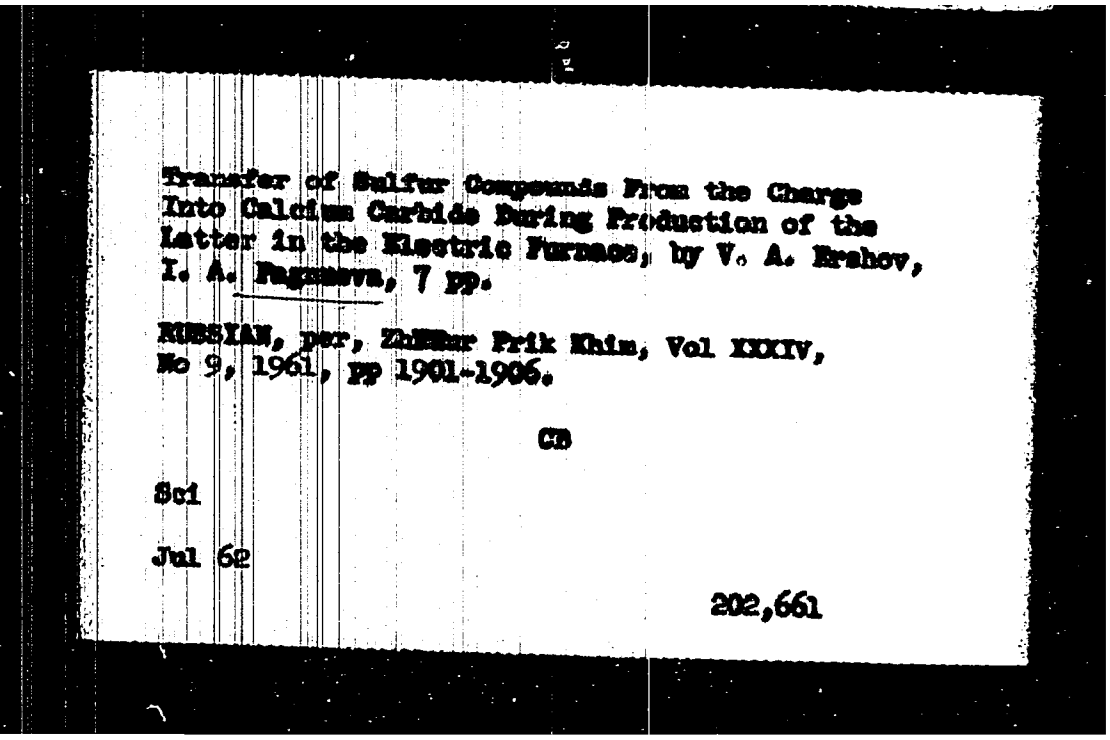

Transfer of Sulfur Compounds From the Charge Into Calcium Carbide During Production of the Latter in the Electric Furnace, by V. A. Krshov, I. A. Pugacheva, 7 pp.

RUSSIAN, per, Zhurnal Prik Khim, Vol XXXIV, No 9, 1961, pp 1901-1906.

CB

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Jul 62

202,661

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Method for Chemical Processing of Low-Grade Uranium Ores, by P. Mouret, P. Pagny.

FRENCH, paper P/339, Proceedings of International Conference on Peaceful Uses of Atomic Energy Held at Geneva 8-20 Aug 1955, Vol VIII.

Internatl Conf -- UN

Sci - Nuclear Physics 46,096
Apr 57 CIA 1-669.9.162

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

Aviation Exposition of Italian Industry in Milan, by Franco Pagliano. UNCLASSIFIED

Full translation.

GERMAN, Flugwelt, Vol IV, No 10, Oct 1952, p 320.

ATIC F-TS-7974

WEur - Italy

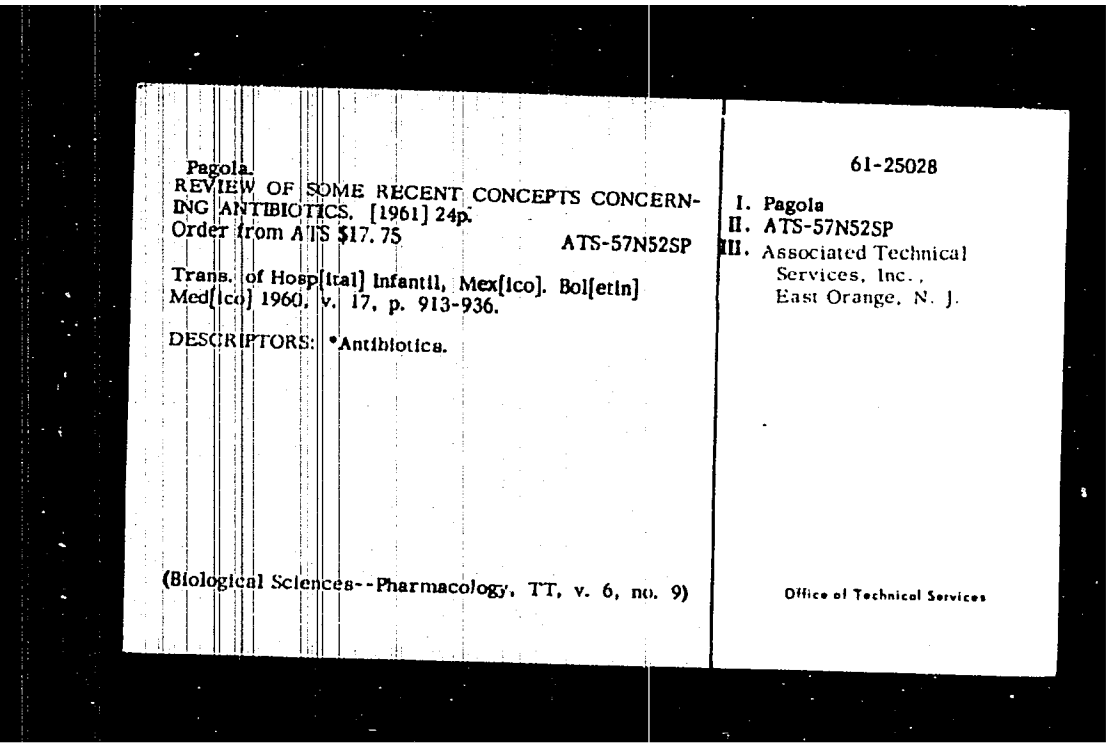
Economic - Aviation, Industry, Milan

A 5862

Jan 53 CTS/DEX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0



Pagola.
REVIEW OF SOME RECENT CONCEPTS CONCERNING ANTIBIOTICS. [1961] 24p.
Order from ATS $17.75 ATS-57N52SP

Trans. of Hosp[ital] Infantil, Mex[ico]. Bol[etin] Med[ico] 1960, v. 17, p. 913-936.

DESCRIPTORS: *Antibiotics.

(Biological Sciences--Pharmacology, TT, v. 6, no. 9)

61-25028

I. Pagola
II. ATS-57N52SP
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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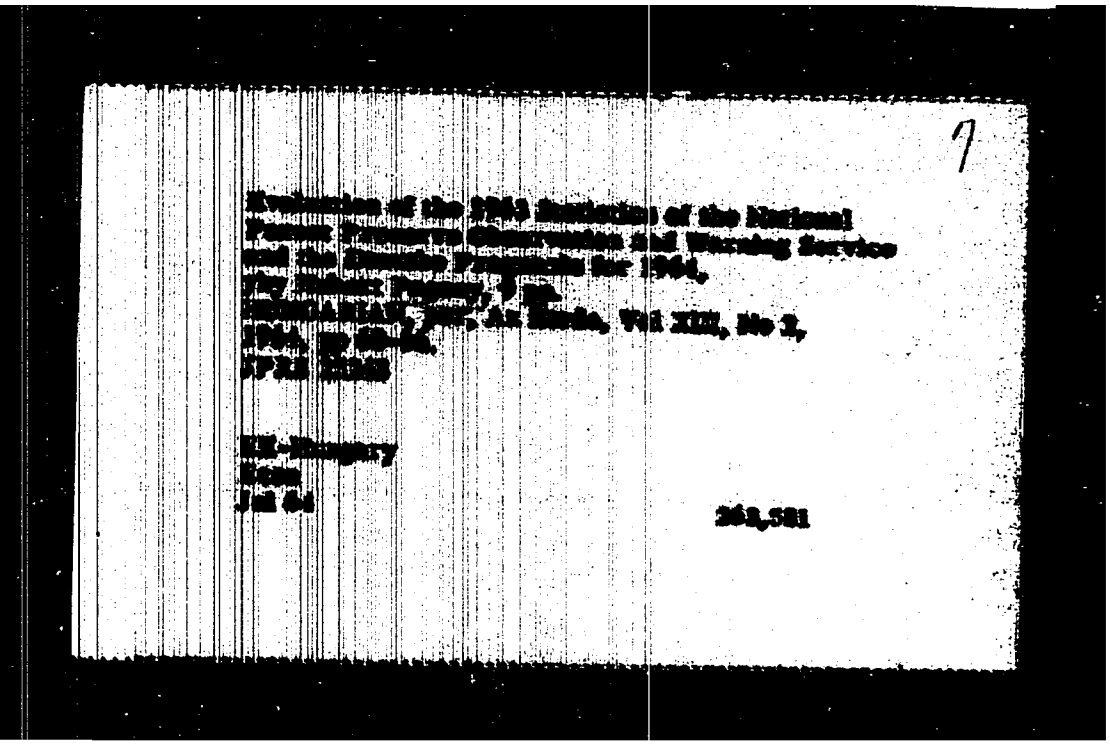

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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The Effect of Treatment of Serum Sialic (N-Acetyl-neuraminic) Acid Level in Patients With Rheumatoid Arthritis, by J. Pagowska-Wurzynska, J. Dzulynska, 8 pp.

POLISH, per, Polski Tygodnik Lekarski, Vol XVII, No 93, 1962, pp 2h-30.

OTS 63-11409
PL-480

Sci - Biol & Med Sci
Dec 63

244,959

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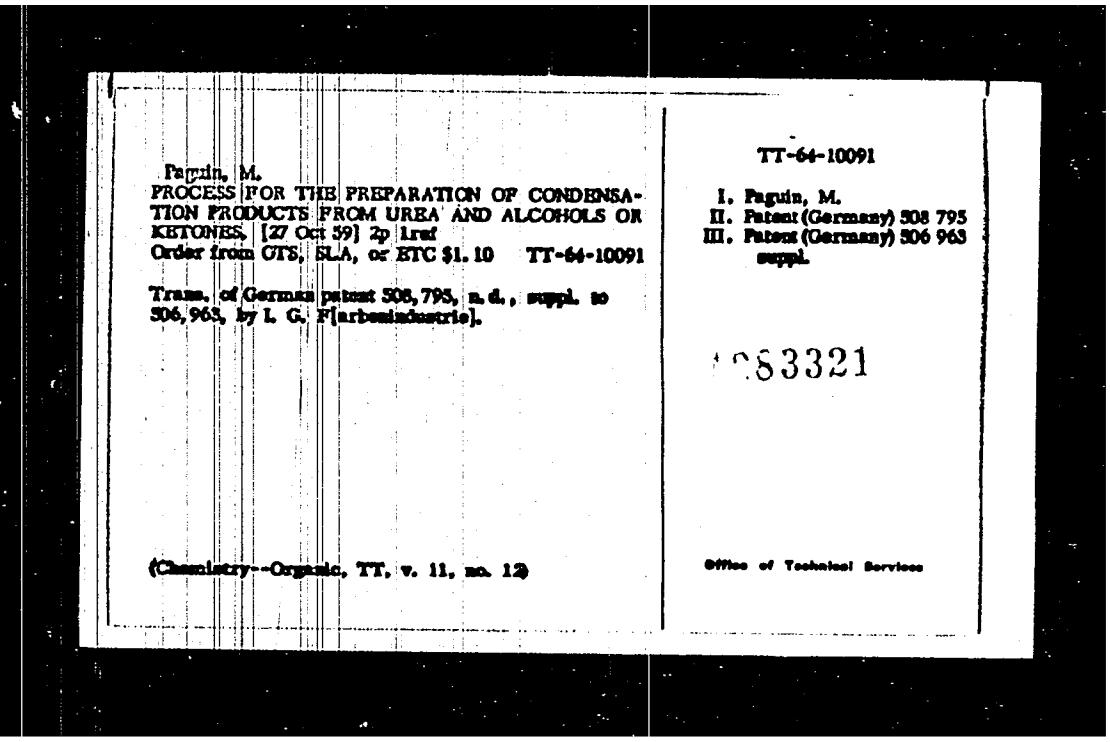

Pagnin, M.
PROCESS FOR THE PREPARATION OF CONDENSATION PRODUCTS FROM UREA AND ALCOHOLS OR KETONES. [27 Oct 59] 2p 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-10091

Trans. of German patent 508,795, n.d., suppl. to 506,963, by I. G. F[arbenindustrie].

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-10091

I. Pagnin, M.
II. Patent (Germany) 508 795
III. Patent (Germany) 506 963 suppl.

283321

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

Paguia, M.
PROCESS FOR THE PREPARATION OF CONDENSATION PRODUCTS FROM UREA AND ALCOHOLS OR KETONES. [27 Oct 59] 2p 1ref
Order from OTS, SLA, or ETC $1.10 TT-64-10091

Trans. of German patent 506,795, n.d., suppl. to 506,963, by L. G. F[arbenindustrie].

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-10091

I. Paguin, M.
II. Patent (Germany) 506 795
III. Patent (Germany) 506 963 suppl.

83321

Office of Technical Services

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

Pagurova, V. I.
TABLES OF THE EXPONENTIAL INTEGRAL
$E_\nu(x) = \int_1^\infty e^{-xu} u^{-\nu} du$. Mathematical Tables Series, v. 8. [1961] 151p.
Order from PP $12.50

Trans. of unidentified Russian mono., n.p., n.d.

DESCRIPTORS: *Integrals, Functions, *Special functions, Tables.

(Mathematics, TT, v. 7, no. 3)

62-12253

I. Pagurova, V. I.
II. Title: Mathematical...
III. Pergamon Press, Inc., New York

27513

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Use of Radiostrontium Sr^{89} in the Treatment of Cancer, by J. E. Pahaut, J. Govaerts, 8 pp.

FRENCH, per, Journ de Radiologie d'Electrologie, Vol XXXVIII, No 3/4, Mar-Apr 1956, pp 164-169.

NIH/Tr 11-21

Sci - Med.
Dec 57

353,778

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

Pahenitsen, P. A. and Lavrovich, O. S.
NEW ELECTROLYZER FOR ELECTROLYTICAL DECOMPOSITION OF ALKALI SALTS (Novyi Elektrolizer dlya Elektroliticheskogo Razlozheniya Shchelochnykh Solei). [1963] [5]p. (foreign text included) 2 refs
Order from OTS or SLA $1.10 63-18120

Trans. of Zavodskaya Laboratoriya (USSR) [1938] v. 7, p. 622-623.

DESCRIPTORS: *Electrolysis, Decomposition, *Alkali metal compounds, Centrifugal pumps, Mercury, Sodium compounds, Silicates, Salts,

(Chemistry--Physical, TT, v. 10, no. 12)

63-18120

1. Title: Electrolyzers
I. Pahenitsen, P. A.
II. Lavrovich, O. S.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

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Precision Turning of Plain Carbon Steels With Ceramic and Carbide Tools, by G. Pahlitzsch, H. Dornhoffer.
GERMAN, per. Werkstatt und Betrieb, Vol 97, No 3, 1964, pp 225-234.
(CSIRO/No. 7134)

G. Pahlitzch

Sci -
Aug 67

339.930

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

New Investigation of the Reflection Properties of Surfaces as Regards Street Lighting, by A. Pahl, R. Chodura.

GERMAN, per, Lichttechnik, Vol VII, No 11, 1955, pp 422-426.

D.S.I.R./27190

Sci - Physics
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Measurement of the Thermal Conductivity of Foamed Rubber, by C. Hagen, G. Pahl, 16 pp.
GERMAN, per, Kautschuk und Gummi, Vol VII, 1954, pp 218-221. 9236261
AEC-SC-T-64-1644

P 37

Sci-Phys
Jan 65

271,825

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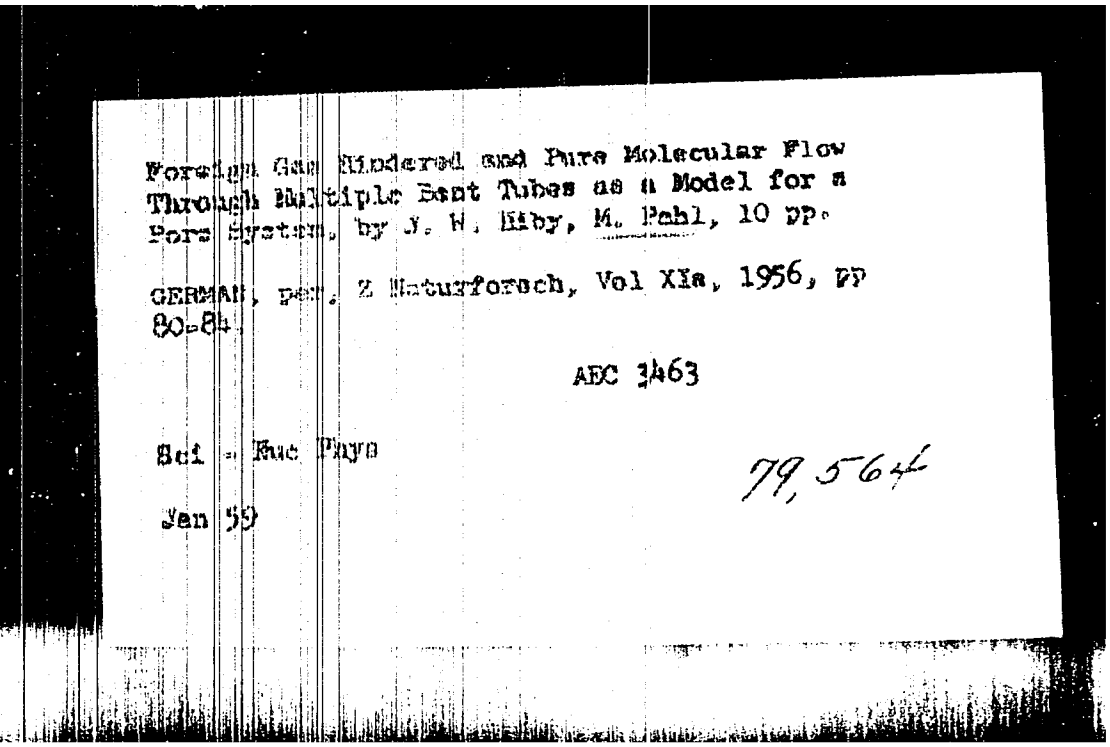
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0



Foreign Gas Hindered and Pure Molecular Flow Through Multiple Bent Tubes as a Model for a Pore System, by J. W. Kiby, M. Pahl, 10 pp.

GERMAN, pub. Z Naturforsch, Vol XIa, 1956, pp 80-84.

AEC 3463

Sci - Fac Phys

Jan 59

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

The Influence of Binary Collisions on the Molecular Flow of Gases. Part II. Narrow Channels Between Flat Plates: Perforated Plates: Short Tubes: Porous Media, by J. W. Hiby, M. Pahl, 26 pp.

GERMAN, per, Z Naturforsch, Vol VIIa, 1952, pp 542-553.

AEC Tr 1886

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Scientific - Physics
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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

Monoenergetic Ion Beams From the Glow-Discharge of the Hollow Cathode, by M. Pahl, W. Kleinmann, 25 pp.

GERMAN, par, Ann Physik, Vol XIII, No 6, 1953, ppi 166-177.

AEC UCRL-Trans-587(L)

Sci - Phys
13 Mar 61

141,290

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

The Influence of Binary Collisions of the Molecular Flow of Gases, Part I, Long, Cylindrical Tubes, by J. W. Hiby, M. Pahl, 21 pp.

GERMAN, per, Z. Naturforsch, Vol VIIa, 1952, pp 533-541.

AEC Tr 1885

Scientific - Physics
CTS/TIEX

14,362

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201380022-0

Pahl, M. and Weimer, U.
FORMATION OF He_2^+ AND Ne_2^+ IN A STATIONARY POSITIVE LOW PRESSURE COLUMN (Zur Bildung von He_2^+ und Ne_2^+ in der Stationaren Positiven Niederdrucksaule). [1960] [9]p. 19 refs.
Order from SLA m$1.80, ph$1.80 61-10536

Trans. of Z[eitschrift für] Naturforschung (West Germany) 1958, v. 13a [no. 9] p. 753-757.

Using an apparatus recently described (discharge tube connected to a mass spectrometer) ion effusion flows from the stationary positive column are measured in He and Ne glow discharges. The effusion flow of a specific type of ion is proportional to its rate of formation in the plasma. The formation ratios of He_2^+/He^+ and Ne_2^+/Ne^+ are shown in relation to total pressure (0.1-5 Torr) and the measured curves are discussed. (Translator)

(Physics--Spectroscopy, TT, v. 5, no. 7)

61-10536

1. Glow discharges--Ionizing effects
2. Mass spectrometers--Applications
3. Gas discharges--Spectrographic analysis

I. Pahl, M.
II. Weimer, U.

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Pahl, M. and Weimer, U.
MASS SPECTROSCOPIC STUDIES OF THE FORMATION OF $(HeNe)^+$ IN THE POSITIVE COLUMN (Massenspektrometrische Untersuchungen über die Bildung von $(HeNe)^+$ in der Positiven Saule). [1960] [15]p. 13 refs.
Order from SLA m$2.40, ph$3.30 61-10531

Trans. of Z[eitschrift für] Naturforsch[ung] (West Germany) 1957, v. 12a [no. 11] p. 926-931.

(Physics--Spectroscopy, TT, v. 5, no. 7)

61-10531

1. Helium ions--Mass spectra
2. Neon ions--Mass spectra
I. Pahl, M.
II. Weimer, U.

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Velocity Distribution of Individually Scattered Molecules in Gases, by J. W. Hiby, M. Pahl.

GERMAN, per, Zeitschrift fuer Physik, Vol CXXX, 1951, pp 348-355.

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Sci-Phys

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241, 409

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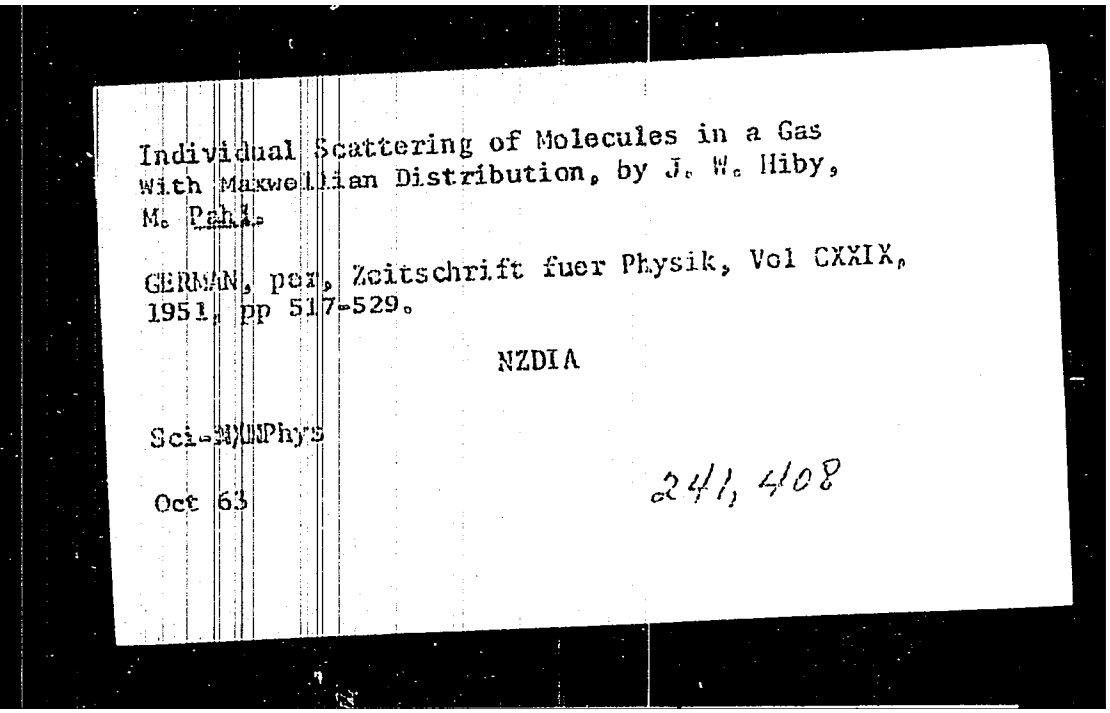

Individual Scattering of Molecules in a Gas With Maxwellian Distribution, by J. W. Hiby, M. Pahl.

GERMAN, per, Zeitschrift fuer Physik, Vol CXXIX, 1951, pp 517-529.

NZDIA

Sci-M/MPhys

Oct 63

241, 408

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Pahl, M. and Weimer, U.
FLOW DISCHARGE MASS SPECTROMETRY (Zur Massenspektrometrie an Glimmentladungen). [1960] [18]p. 25 refs.
Order from SLA m$2.40, ph$3.30 61-10537

Trans. of Z[eitschrift für] Naturforschung (West Germany) 1958, v. 13a [no. 9] p. 745-753.

The connection of a direction-focussing 60° mass spectrometer to the stationary positive low pressure column for the purpose of measuring ion flow rates is described. Ions are obtained from the plasma by ambipolar effusion. Ions which have very different mobilities diffuse with different energies. Such energy differences are established by a counterfield method and measured between Ne^+ - Ne_2^+, Ne^+ - NeH^+, He^+ - He_2^+. The isotopes of neon have the same energy within the accuracy of measurement achieved. Quantitative evaluation shows that no volume recombination processes are observed in He and Ne under the conditions selected. (Author)
(Physics--Spectroscopy, TT, v. 5, no. 7)

61-10537

1. Glow discharges--Ionizing effects
2. Mass spectrometers--Applications
3. Gas discharges--Spectrographic analysis

I. Pahl, M.
II. Weimer, U.

Office of Technical Services

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